



2800

1645 ENTERED

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/713,601A

DATE: 02/28/2002

TIME: 11:30:15

Input Set : A:\04905sub.txt

Output Set: N:\CRF3\02282002\I713601A.raw

RECEIVED

MAR 1 2 2002

TECH CENTER 1600/2900

5 <110> APPLICANT: Agarwal, Poonam  
 7 Aizenstein, Brian  
 9 Arco, David  
 11 Atilas, Myrta  
 13 Burris, Deborah  
 15 de Arruda Indig, Monika  
 17 Law, Scott  
 19 Mast, Andrea  
 21 Marshall, David  
 23 Miller, Carolyn  
 25 Oldenberg, Mary  
 27 Rasmussen, Eric  
 29 Schneiders, Jennifer  
 33 <120> TITLE OF INVENTION: Methods and Compositions for Detecting Target Sequences  
 37 <130> FILE REFERENCE: FORS-04905  
 41 <140> CURRENT APPLICATION NUMBER: 09/713,601A  
 43 <141> CURRENT FILING DATE: 2000-11-15  
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 49 <151> PRIOR FILING DATE: 1999-07-09  
 53 <150> PRIOR APPLICATION NUMBER: 09/381,212  
 55 <151> PRIOR FILING DATE: 2000-02-08  
 59 <150> PRIOR APPLICATION NUMBER: 08/823,516  
 61 <151> PRIOR FILING DATE: 1997-03-24  
 65 <150> PRIOR APPLICATION NUMBER: 08/759,038  
 67 <151> PRIOR FILING DATE: 1996-12-02  
 71 <150> PRIOR APPLICATION NUMBER: 08/756,386  
 73 <151> PRIOR FILING DATE: 1996-11-26  
 77 <150> PRIOR APPLICATION NUMBER: 08/682,853  
 79 <151> PRIOR FILING DATE: 1996-07-12  
 83 <150> PRIOR APPLICATION NUMBER: 08/599,491  
 85 <151> PRIOR FILING DATE: 1996-01-24  
 89 <160> NUMBER OF SEQ ID NOS: 253  
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118 gcggtgatcg tgggtctttga cgccaaggcc ccctcettcc gccacgaggc ctacgggggg 240
120 tacaaggcgg gccgggcccc caccgcggag gactttcccc ggcaactcgc cctcatcaag 300
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216 caggcggtct acggcttcgc caaagcctc ctcaaggccc tgaaggagga cggggacgtg 180

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Input Set : A:\04905sub.txt

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DATE: 02/28/2002

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Input Set : A:\04905sub.txt

Output Set: N:\CRF3\02282002\I713601A.raw

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322 aaggagctgg tggacctcct ggggtttacc cgcctcgagg tccccggcta cgaggcggac 360
324 gacgttctcg ccacctggc caagaaggcg gaaaaggagg ggtacgaggt gcgcctctc 420
326 accgccgacc gcgacctcta ccaactcgtc tccgaccgcy tcccgctcct ccaccccgag 480
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330 gtggacttcc gcgcccctct gggggacccc tccgacaacc tccccggggt caagggcctc 600
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334 aacctggacc gggtaaagcc agaaaacgtc cgggagaaga tcaaggccca cctggaagac 720
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386 gcgtcaggga ggccgaggc cgcctggcct tcaacatgcc cgtccagggc accgccgccc 2280
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392 tggcggttt ggccaaggag gccatggaga aggcctatcc cctcgccgtg cccctggagg 2460
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399 &lt;211&gt; LENGTH: 832

401 &lt;212&gt; TYPE: PRT

403 &lt;213&gt; ORGANISM: Artificial Sequence

407 &lt;220&gt; FEATURE:

409 &lt;223&gt; OTHER INFORMATION: Synthetic

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414 1 5 10 15

416 Val Asp Gly His His Leu Ala Tyr Arg Thr Phe His Ala Leu Lys Gly

## RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/713,601A

TIME: 11:30:15


Input Set : A:\04905sub.txt

Output Set: N:\CRF3\02282002\I713601A.raw

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423          50          55          60
425 Val Phe Asp Ala Lys Ala Pro Ser Phe Arg His Glu Ala Tyr Gly Gly
426 65          70          75          80
428 Tyr Lys Ala Gly Arg Ala Pro Thr Pro Glu Asp Phe Pro Arg Gln Leu
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437 Ala Glu Lys Glu Gly Tyr Glu Val Arg Ile Leu Thr Ala Asp Lys Asp
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440 Leu Tyr Gln Leu Leu Ser Asp Arg Ile His Val Leu His Pro Glu Gly
441 145          150         155         160
443 Tyr Leu Ile Thr Pro Ala Trp Leu Trp Glu Lys Tyr Gly Leu Arg Pro
444          165         170         175
446 Asp Gln Trp Ala Asp Tyr Arg Ala Leu Thr Gly Asp Glu Ser Asp Asn
447          180         185         190
449 Leu Pro Gly Val Lys Gly Ile Gly Glu Lys Thr Ala Arg Lys Leu Leu
450          195         200         205
452 Glu Glu Trp Gly Ser Leu Glu Ala Leu Leu Lys Asn Leu Asp Arg Leu
453          210         215         220
455 Lys Pro Ala Ile Arg Glu Lys Ile Leu Ala His Met Asp Asp Leu Lys
456 225          230         235         240
458 Leu Ser Trp Asp Leu Ala Lys Val Arg Thr Asp Leu Pro Leu Glu Val
459          245         250         255
461 Asp Phe Ala Lys Arg Arg Glu Pro Asp Arg Glu Arg Leu Arg Ala Phe
462          260         265         270
464 Leu Glu Arg Leu Glu Phe Gly Ser Leu Leu His Glu Phe Gly Leu Leu
465          275         280         285
467 Glu Ser Pro Lys Ala Leu Glu Glu Ala Pro Trp Pro Pro Pro Glu Gly
468          290         295         300
470 Ala Phe Val Gly Phe Val Leu Ser Arg Lys Glu Pro Met Trp Ala Asp
471 305          310         315         320
473 Leu Leu Ala Leu Ala Ala Ala Arg Gly Gly Arg Val His Arg Ala Pro
474          325         330         335
476 Glu Pro Tyr Lys Ala Leu Arg Asp Leu Lys Glu Ala Arg Gly Leu Leu
477          340         345         350
479 Ala Lys Asp Leu Ser Val Leu Ala Leu Arg Glu Gly Leu Gly Leu Pro
480          355         360         365
482 Pro Gly Asp Asp Pro Met Leu Leu Ala Tyr Leu Leu Asp Pro Ser Asn
483          370         375         380
485 Thr Thr Pro Glu Gly Val Ala Arg Arg Tyr Gly Gly Glu Trp Thr Glu
486 385          390         395         400
488 Glu Ala Gly Glu Arg Ala Ala Leu Ser Glu Arg Leu Phe Ala Asn Leu
489          405         410         415

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 Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 02/28/2002

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TIME: 11:30:16

Input Set : A:\04905sub.txt

Output Set: N:\CRF3\02282002\I713601A.raw

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L:1293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:1305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:1315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
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L:1805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:5817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99  
L:5855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100  
L:5883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101  
L:5911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102  
L:8746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170  
L:8802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172  
L:8858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174  
L:8886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175

VERIFICATION SUMMARY

PATENT APPLICATION [REDACTED] US/09/713,601A

DATE: 02/28/2002

TIME: 11:30:16

Input Set : A:\04905sub.txt

Output Set: N:\CRF3\02282002\I713601A.raw

L:8942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177  
L:9009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179